

**Table 1.4. Planned Generating Capacity Additions from New Generators, by Energy Source, 2009-2013**  
(Count, Megawatts)

Energy Source	Number of Generators	Generator Nameplate Capacity	Net Summer Capacity	Net Winter Capacity
<b>2009</b>				
<b>U.S. Total</b> .....	<b>365</b>	<b>27,099</b>	<b>24,769</b>	<b>25,903</b>
Coal <sup>1</sup> .....	13	4,785	4,393	4,419
Petroleum <sup>2</sup> .....	16	748	695	704
Natural Gas .....	108	11,388	9,811	10,884
Other Gases <sup>3</sup> .....	1	78	73	73
Nuclear .....	--	--	--	--
Hydroelectric Conventional <sup>4</sup> .....	7	25	24	23
Wind .....	107	9,459	9,205	9,205
Solar Thermal and Photovoltaic .....	25	145	134	140
Wood and Wood Derived Fuels <sup>5</sup> .....	4	139	129	131
Geothermal .....	4	64	61	61
Other Biomass <sup>6</sup> .....	80	269	245	264
Pumped Storage .....	--	--	--	--
Other <sup>7</sup> .....	--	--	--	--
<b>2010</b>				
<b>U.S. Total</b> .....	<b>228</b>	<b>19,841</b>	<b>18,081</b>	<b>19,021</b>
Coal <sup>1</sup> .....	12	5,932	5,598	5,628
Petroleum <sup>2</sup> .....	13	568	515	545
Natural Gas .....	78	9,950	8,622	9,498
Other Gases <sup>3</sup> .....	--	--	--	--
Nuclear .....	--	--	--	--
Hydroelectric Conventional <sup>4</sup> .....	10	26	24	24
Wind .....	40	2,559	2,543	2,543
Solar Thermal and Photovoltaic .....	13	468	461	462
Wood and Wood Derived Fuels <sup>5</sup> .....	4	103	96	97
Geothermal .....	8	168	158	159
Other Biomass <sup>6</sup> .....	50	66	64	65
Pumped Storage .....	--	--	--	--
Other <sup>7</sup> .....	--	--	--	--
<b>2011</b>				
<b>U.S. Total</b> .....	<b>103</b>	<b>13,991</b>	<b>12,549</b>	<b>13,431</b>
Coal <sup>1</sup> .....	6	2,837	2,481	2,521
Petroleum <sup>2</sup> .....	4	200	170	196
Natural Gas .....	72	8,804	7,545	8,359
Other Gases <sup>3</sup> .....	--	--	--	--
Nuclear .....	--	--	--	--
Hydroelectric Conventional <sup>4</sup> .....	3	7	7	6
Wind .....	12	1,591	1,588	1,588
Solar Thermal and Photovoltaic .....	2	375	593	594
Wood and Wood Derived Fuels <sup>5</sup> .....	1	61	57	57
Geothermal .....	--	--	--	--
Other Biomass <sup>6</sup> .....	3	117	109	110
Pumped Storage .....	--	--	--	--
Other <sup>7</sup> .....	--	--	--	--
<b>2012</b>				
<b>U.S. Total</b> .....	<b>79</b>	<b>20,741</b>	<b>18,526</b>	<b>19,566</b>
Coal <sup>1</sup> .....	12	7,156	6,508	6,581
Petroleum <sup>2</sup> .....	--	--	--	--
Natural Gas .....	49	10,208	8,743	9,633
Other Gases <sup>3</sup> .....	2	720	619	677
Nuclear .....	1	1,270	1,181	1,194
Hydroelectric Conventional <sup>4</sup> .....	1	70	67	64
Wind .....	1	25	25	25
Solar Thermal and Photovoltaic .....	6	950	1,065	1,070
Wood and Wood Derived Fuels <sup>5</sup> .....	3	178	166	167
Geothermal .....	--	--	--	--
Other Biomass <sup>6</sup> .....	4	164	153	154
Pumped Storage .....	--	--	--	--
Other <sup>7</sup> .....	--	--	--	--
<b>2013</b>				
<b>U.S. Total</b> .....	<b>40</b>	<b>6,294</b>	<b>5,175</b>	<b>5,602</b>
Coal <sup>1</sup> .....	2	630	562	592
Petroleum <sup>2</sup> .....	--	--	--	--
Natural Gas .....	23	5,191	4,167	4,569
Other Gases <sup>3</sup> .....	--	--	--	--
Nuclear .....	--	--	--	--
Hydroelectric Conventional <sup>4</sup> .....	8	245	233	226
Wind .....	1	16	15	15
Solar Thermal and Photovoltaic .....	--	--	--	--
Wood and Wood Derived Fuels <sup>5</sup> .....	1	36	34	34
Geothermal .....	4	156	146	147
Other Biomass <sup>6</sup> .....	1	20	19	19
Pumped Storage .....	--	--	--	--
Other <sup>7</sup> .....	--	--	--	--

<sup>1</sup> Anthracite, bituminous coal, subbituminous coal, lignite, and waste coal.

<sup>2</sup> Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, petroleum coke (converted to liquid petroleum, see Technical Notes for conversion methodology), and waste oil.

<sup>3</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>4</sup> Conventional hydroelectric power excluding pumped storage facilities; includes ocean power technology (wave energy).

<sup>5</sup> Wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.

<sup>6</sup> Municipal solid waste, landfill gas, sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

<sup>7</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

Notes: • Projected data are updated annually, so revision superscript is not used. • Capacity by energy source is based on the capacity associated with the energy source reported as the most predominant (primary) one, where more than one energy source is associated with a generator. These data reflect plans as of December 31, 2008. • Totals may not equal sum of components because of independent rounding. • In some reporting of capacity data, such as for wind, solar and wave energy sites, the capacity for multiple generators is reported in a single generator record and is presented as a single generator in the count of number of generators.

